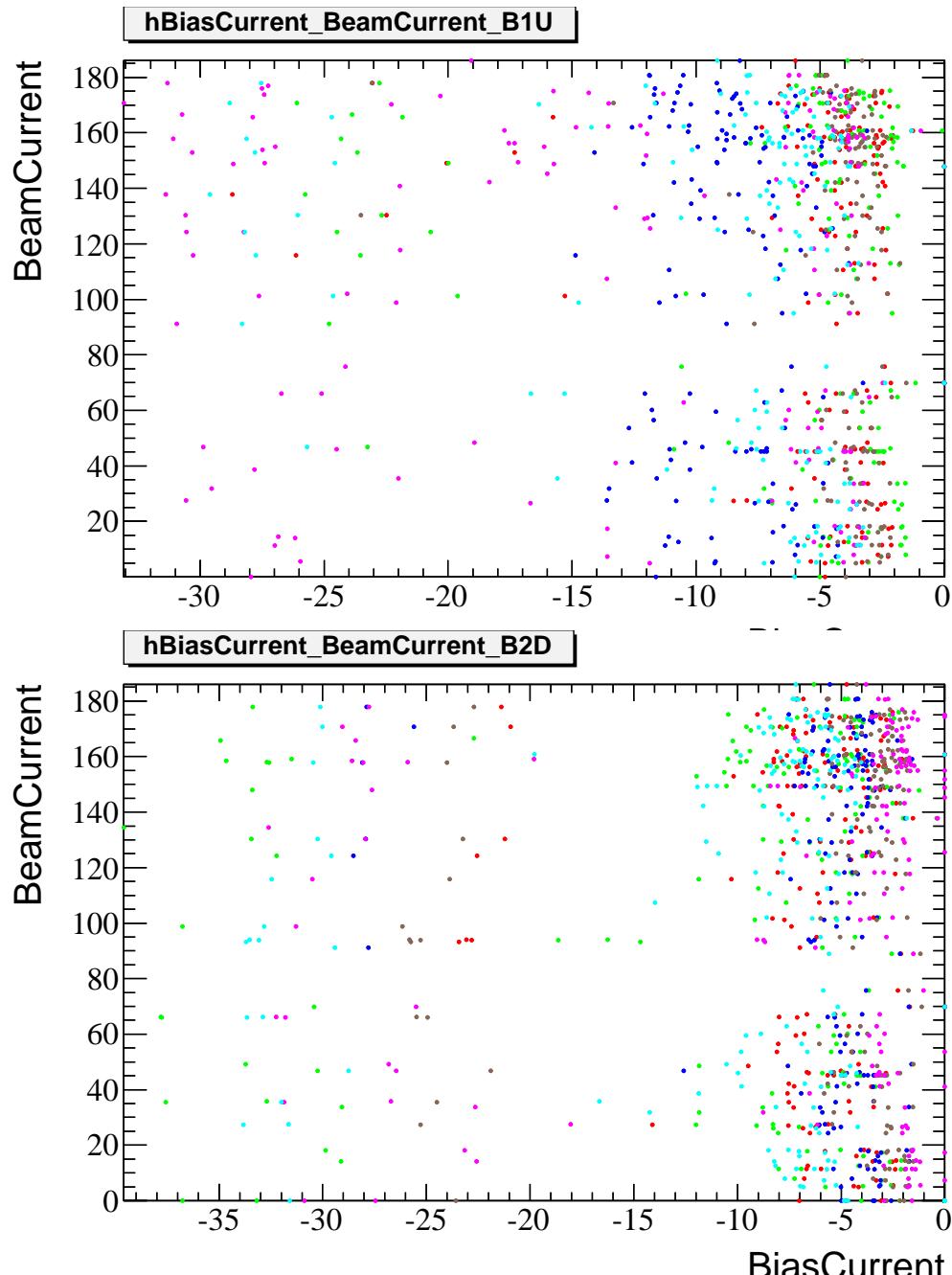
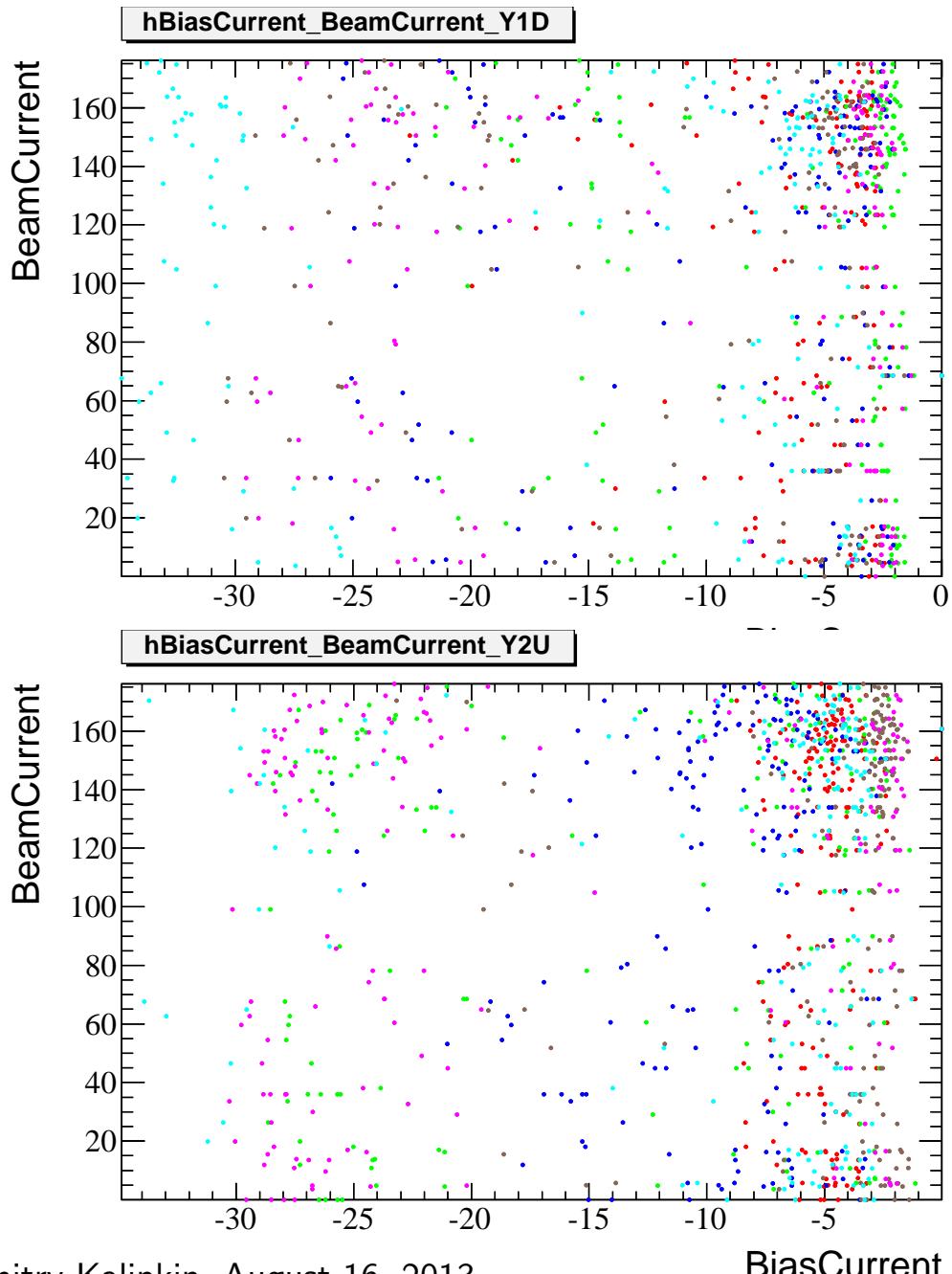
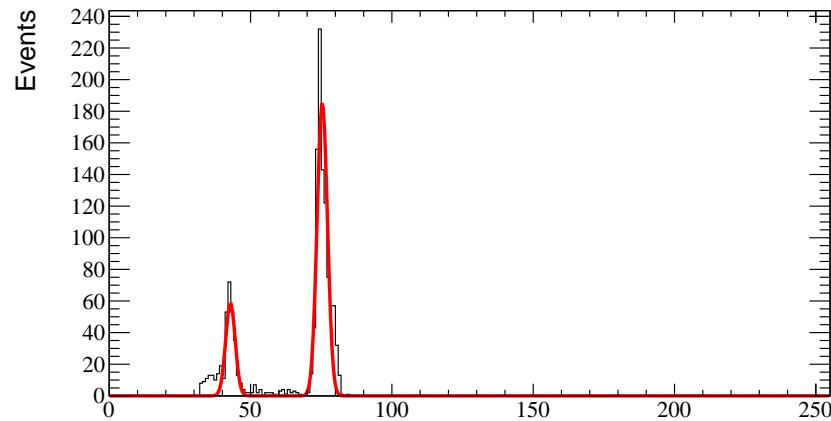


BiasCurrent:BeamCurrent correlation

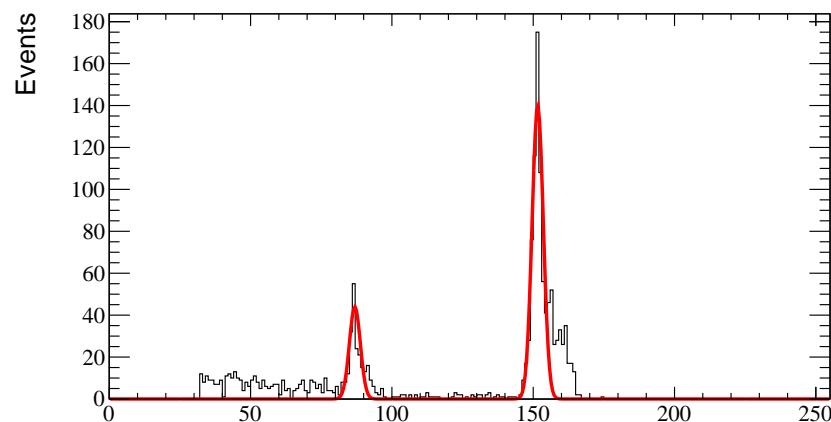


Beam current is a mean value during whole fill
Bias current is the value taken during alpha measurements

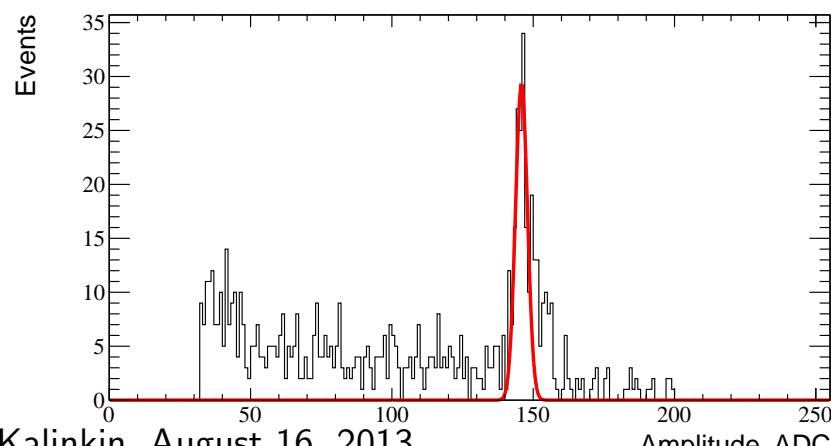
Attenuators study (Onboard attenuators are used)



← atten=10



← atten=5



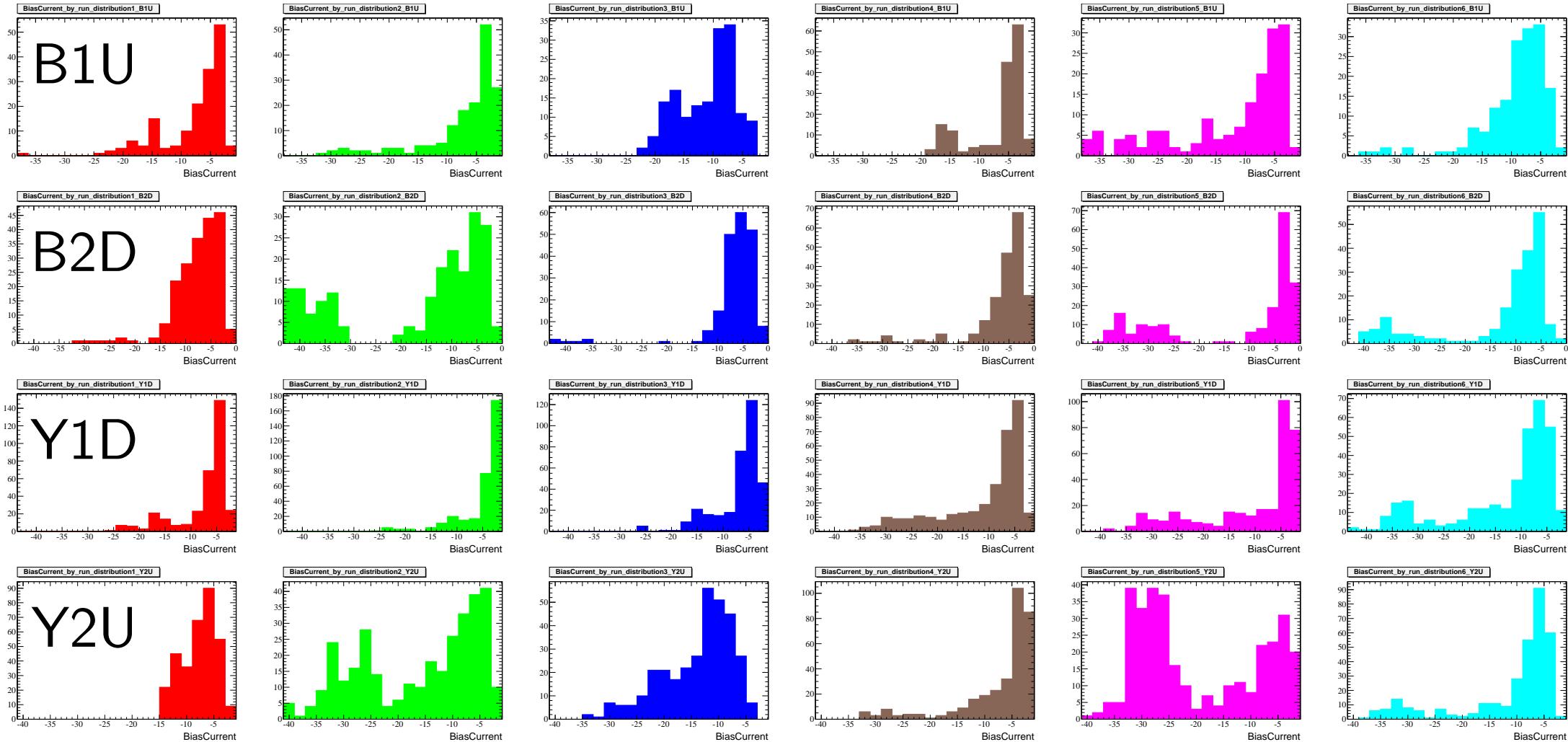
← atten=3 (cut: $Amp < 200$)

Attenuators study results

Atten	Run ID	AmPeakPos	GdPeakPos
$\frac{1}{10}$	atten_1_over_10.yel2.alpha0	77.0 ± 0.7	44.2 ± 0.4
$\frac{1}{5}$	13_310713.yel2.alpha0	154.9 ± 2.7	88.9 ± 1.5
$\frac{1}{3}$	atten_1_over_3.yel2.alpha0	—	149.4 ± 2.5

$$\frac{154.9}{77.0 * 2} - 1 = 0.6\%$$
$$\frac{88.9}{44.0 * 2} - 1 = 0.6\%$$
$$\frac{149.4 * 3}{88.9 * 5} - 1 = 0.8\%$$

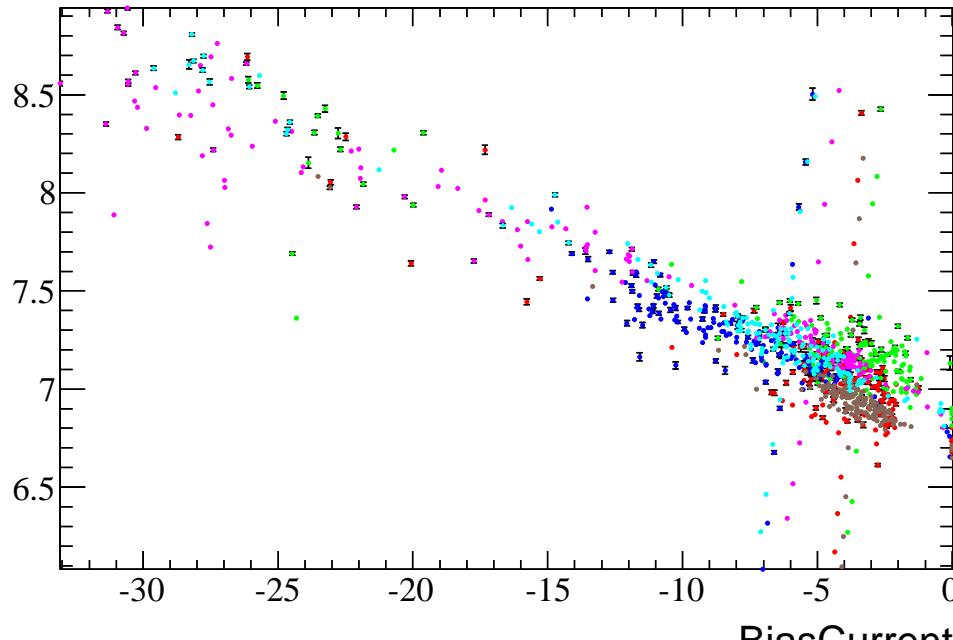
BiasCurrent during normal fills



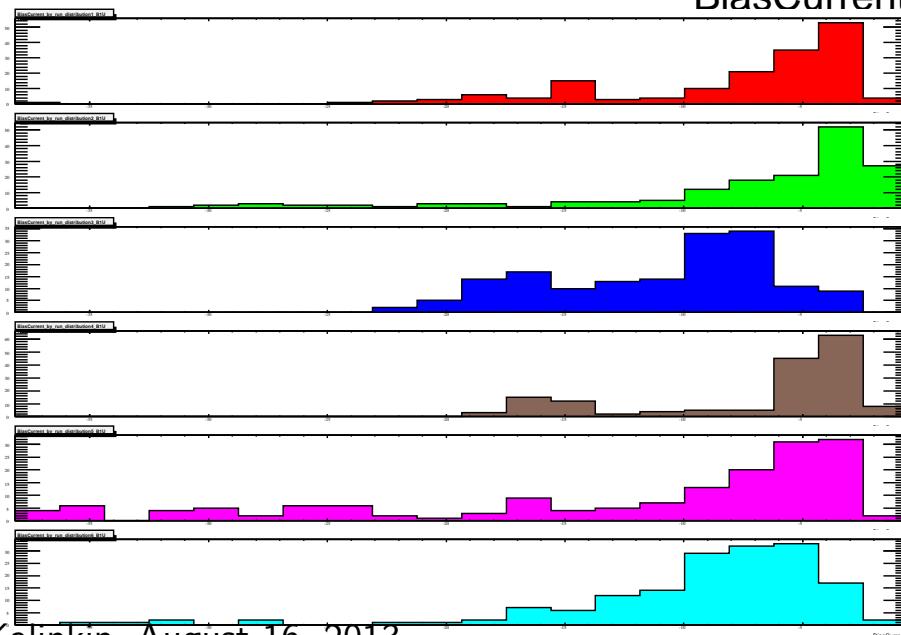
AlphaBiasCurrent:(1/AmGain) and FillBiasCurrent

mercurium Amplitude Calib, keV/ADC

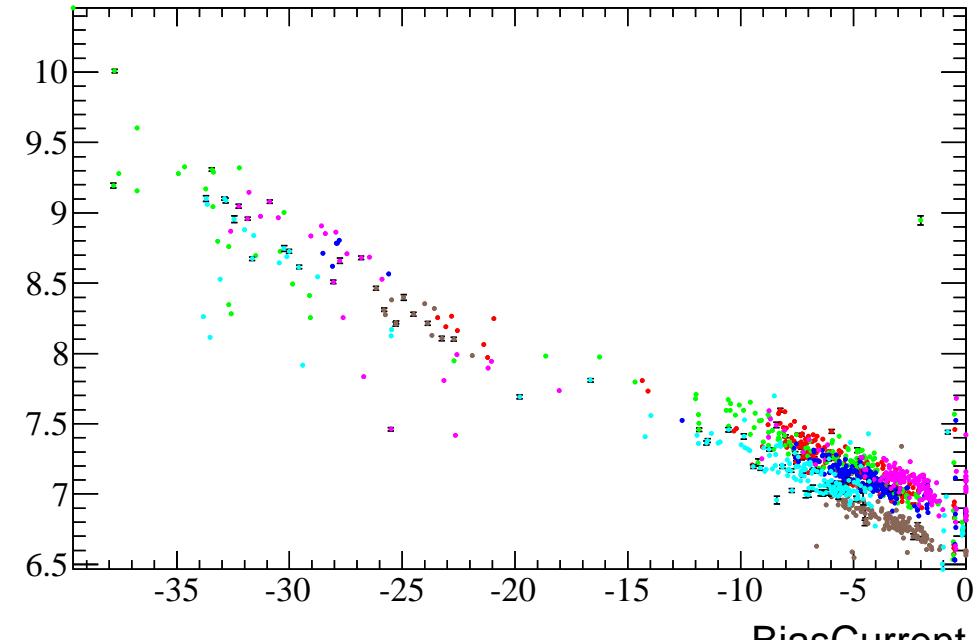
hBiasCurrent_AmAmpCoef_B1U



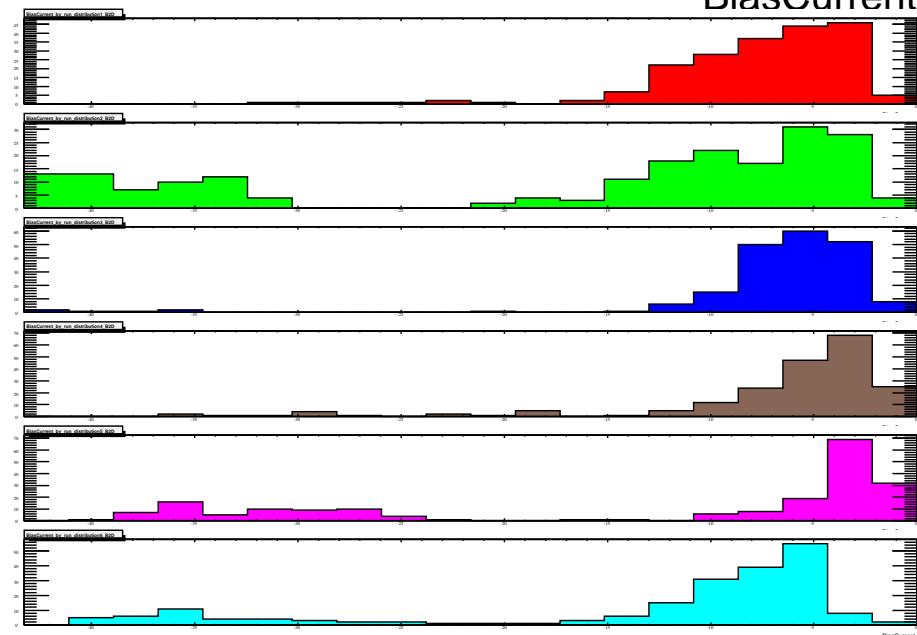
BiasCurrent



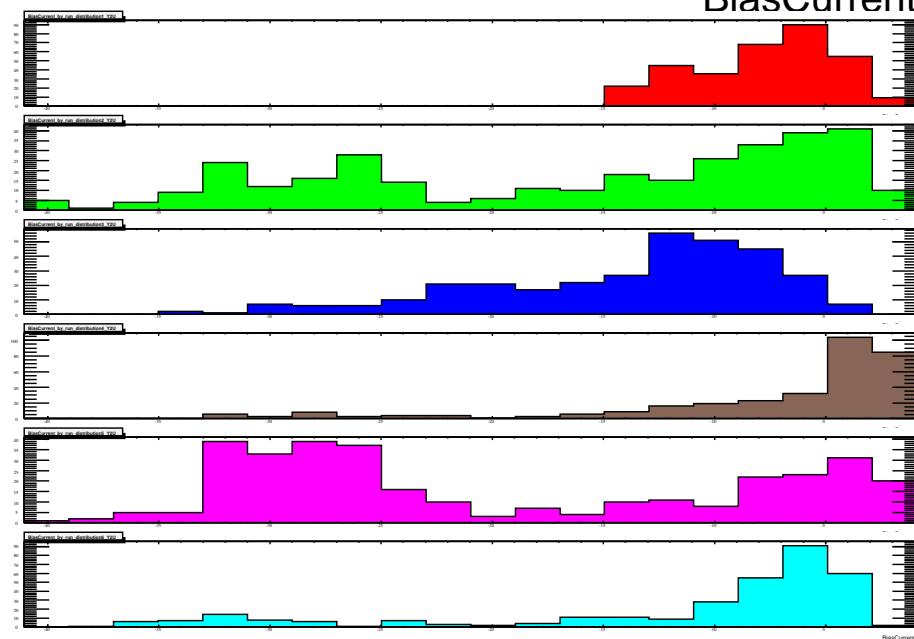
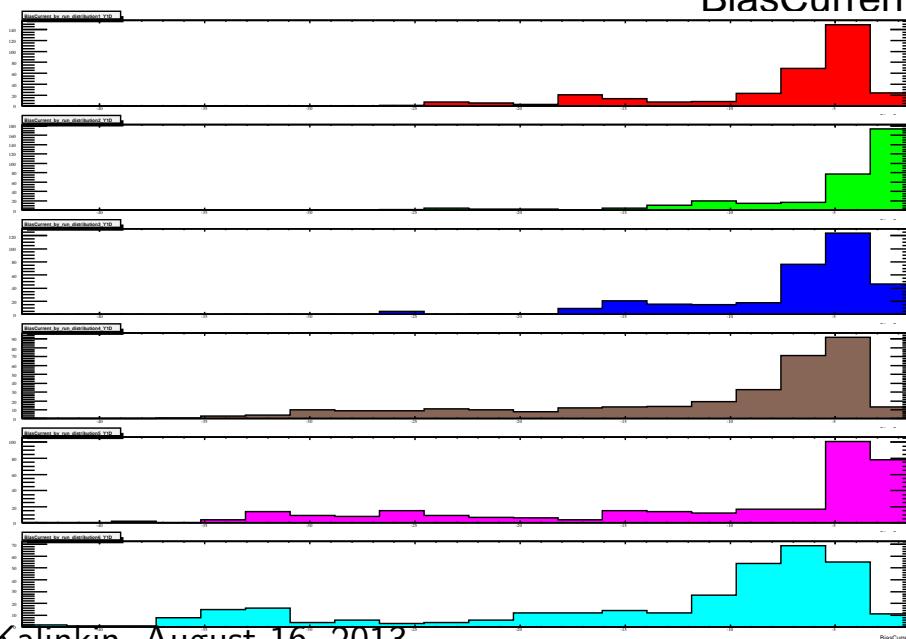
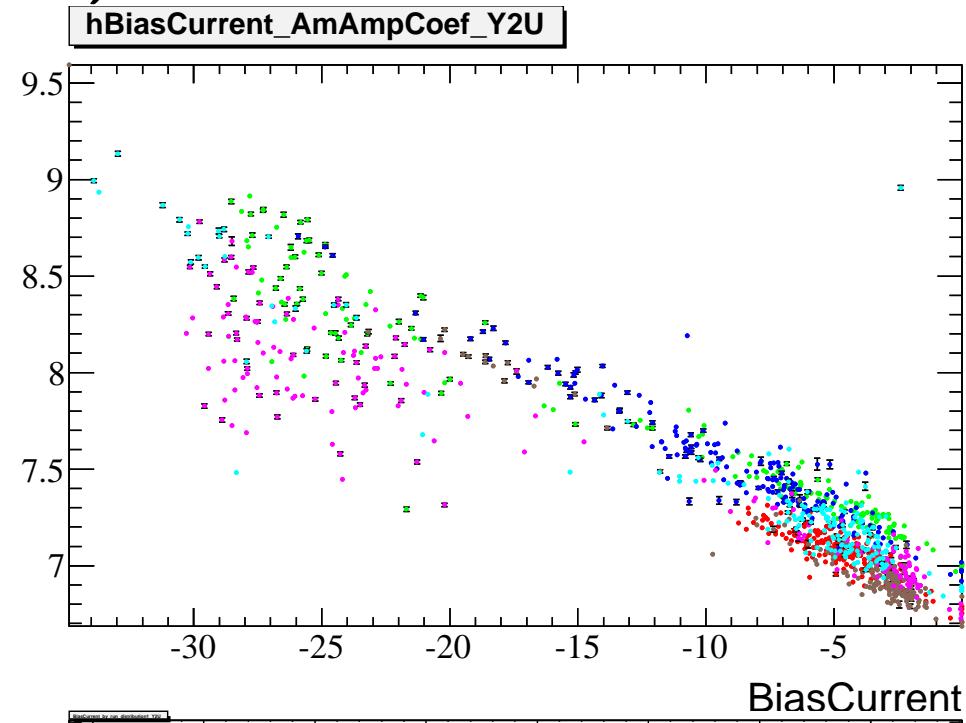
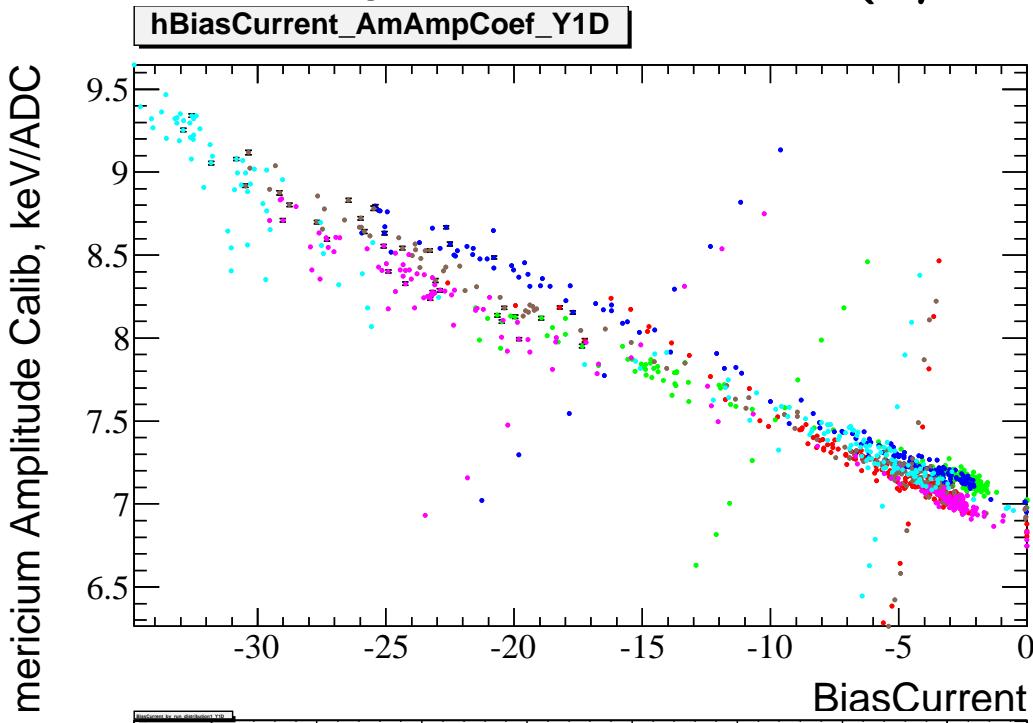
hBiasCurrent_AmAmpCoef_B2D



BiasCurrent



AlphaBiasCurrent:(1/AmGain) and FillBiasCurrent



CarbonGain: BiasCurrent correlation

